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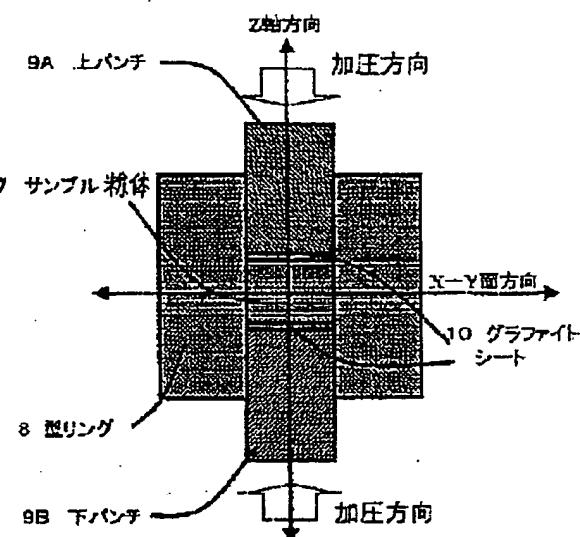
APPLICATION DATE : 23-02-01
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APPLICANT : KYOCERA CORP;

INVENTOR : KITAHARA NOBUYUKI;

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TITLE : SOLAR CELL ELEMENT SUBSTRATE
AND MANUFACTURING METHOD
THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To provide a method for manufacturing a solar cell element substrate which satisfies requirements for improved characteristics in performance, for lower cost and effective use of a resource, related to manufacturing of a polycrystal silicon substrate.

SOLUTION: With a jig comprising a through hole provided, a sample powder 7 is packed inside the through hole using a sintering device in which an upper punch 9A and a lower punch 9B are inserted from both ends of the through hole. Then the powder is pressurized by the punch while a pulse current is applied in its pressurizing axis direction so that the discharge plasma is generated inside the through hole. Thus, the sample powder 7 is sintered as a polycrystal body to provide the solar cell element substrate.

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